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<b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b> Applicant(s): <b>Lanzerotti et al.</b>			Docket No. <b>BUR920010146US2</b>	
Application No. <b>10/660,048</b>	Filing Date <b>09/11/03</b>	Examiner <b>Unknown</b>	Group Art Unit <b>2814</b>	
Invention: <b>SILICON GERMANIUM HETEROJUNCTION BIPOLAR TRANSISTOR WITH CARBON INCORPORATION</b>				
<p>I hereby certify that this <u>Response to Notice of Non-Compliant Amendment</u>  <i>(Identify type of correspondence)</i></p> <p>is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>703-872-9306</u>)</p> <p>on <u>12/16/04</u>  <i>(Date)</i></p> <div style="text-align: right; margin-top: 20px;"> <u>Frederick W. Gibb, III</u>  <i>(Typed or Printed Name of Person Signing Certificate)</i>    <i>(Signature)</i> </div> <p style="text-align: center; margin-top: 40px;">Note: Each paper must have its own certificate of mailing.</p>				

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re patent application of

Lanzerotti et al.

Serial No.: 10/660,048

Group Art Unit: 2814

Filed: September 11, 2003

Examiner: Unknown

For: SILICON GERMANIUM HETEROJUNCTION BIPOLAR  
TRANSISTOR WITH CARBON INCORPORATION

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT**

Sir:

In response to the Notice of Non-Compliant Amendment dated 12/07/04, a complete listing of the claims is provided herewith.

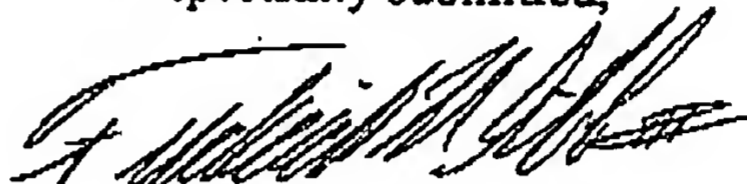
**IN THE CLAIMS:**

Claims 1-8 (Cancelled).

9. (Original) A semiconductor for use in a bipolar transistor, said semiconductor comprising:  
carbon atoms; and  
a dopant interacting with said carbon atoms,  
wherein said carbon atoms limit outdiffusion of said dopant and said dopant is included in sufficient quantities to reduce a resistance of said semiconductor to less than approximately 4 Kohms/cm<sup>2</sup>.

Please charge any deficiencies in fees and credit any overpayment of fees to  
Attorney's Deposit Account No. 09-0456.

Respectfully submitted,



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